DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name:

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| Title: | HIGH D |)U(| TIL | ITY, SHEAR-CONTR | OLLED ROI | S FOR CONCR | ETE REINF | ORCEMENT |
|----------------|---------------------------------------|---------------------|--------------------------|--|--|--|--|---|
| the spec | ification one) | w ac | hich | | | | | |
| | | [|] | is attached hereto. | | | • | <i>ه</i> ه |
| | | [X | [] | was filed on | PCT/CA200 | 1/001797 | as | |
| | | | | | (if applica | ble) | | |
| claims, | as amende | | | ave reviewed and unders y amendment referred to | _ | nts of the above-i | dentified spe | cification, including the |
| applicat | tion in acc | | | acknowledge the duty to with Title 37, Code of F | | | material to | the examination of this |
| | nt or inve | n(s |) for p | ereby claim foreign prior patent or inventor's certificate on this invention | icate listed belo | w and have also id | entified below | vany foreign application |
| Prior F | oreign A | ppl | icatio | on(s) | and the second | and the state of t | , | Priority Claimed |
| 2,444,4 | 08 | - | • | Canada | • | 06/October/2003 | | [X][] |
| (Numbe | er) | | | (Country) | | (Day/Month/Yea | r) | Yes No |
| (Numbe | er) | - | | (Country) | | (Day/Month/Yea | r) | [] [] Yes No |
| (Numbe | er) | | | Country) | ····· | (Day/Month/Yea | r) | [] [] Yes No |
| prior Unacknow | nited State ledge the defined between | ed l es a dut | pelow pplic y to d | hereby claim the benefit and, insofar as the subject ation in the manner province is close material informating date of the prior ap | ct matter of ea vided by the fi ion as defined | ch of the claims of rst paragraph of 7 in Title 37, Code of | this applicating the second control of the second control of Federal Reg | on is not disclosed in the ed States Code, §112, I ulations, §1.56(a) which |
| United | States Ap | ppli | catio | en(s) | | | | , |
| (Appl. S | Ser.No.) | u - | | (Filing Date) | | (Status) (patente | d, pending, a | bandoned) |
| (Appl. S | Ser.No.) | | | (Filing Date) | | (Status) (patente | d, pending, a | bandoned) |

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint the following attorneys, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and request that all correspondence and telephone calls in respect to this application be directed to GREER, BURNS & CRAIN, LTD., Suite 2500, 300 South Wacker Drive, Chicago, Illinois 60606, Telephone No. (312) 360-0080:

Practitioners associated with the Customer Number: 24978

I hereby grant the above-named attorneys the right to insert the Application Serial Number in the appropriate place on this document, once such number has been assigned from the United States Patent & Trademark Office.

| Full name of sole or one | Atef Amil Fahmy FAHIM |
|---------------------------|----------------------------|
| joint inventor: | Alei Allii Paliily Parilly |
| Inventor's signature: | Halam |
| | 27 Tue IOOL |
| Date: | 27 Jul 2002 |
| Residence and Post Office | |
| Address | 1422 Sillery Place |
| | Ottawa, Ontario K4A 3E3 |
| | CANADA |
| Citizenship: | Canadian |
| | |
| | |
| Full name of sole or one | |
| joint inventor: | Michael Brian MUNRO |
| | Λ_{A} . |
| Inventor's signature: | M. Mo |
| Date: | June 27./06 |
| Residence and Post Office | |
| Address | 20 Bainbridge St. |
| | Ottawa, Ontario K2G 3S9 |
| | |
| | CANADA |
| Citizenship: | Canadian |

| Full name of sole or one joint inventor: | Kristian Andrew JAMES | | | |
|--|--|--|--|--|
| • | | | | |
| Inventor's signature: | 4.5 | | | |
| Date: | 27- Den 2006. | | | |
| Residence and Post Office Address | 176 Main Street, Unit 2 | | | |
| | Ottawa, Ontario K1S 1C2 | | | |
| • | CANADA | | | |
| Citizenship: | Canadian | | | |
| Address for Correspondence: | GREER, BURNS & CRAIN, LTD. Suite 2500 300 South Wacker Drive Chicago, Illinois 60606 | | | |
| | Customer No. 24978 | | | |